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NORTH • SOUTH EAST • MIDLANDS • NORTH WEST • HULL • SCOTLAND

### **DESCRIPTION**

Two-component, high-gloss, VOC-compliant epoxy acrylic finish

### PRINCIPAL CHARACTERISTICS

- Non-isocyanate
- · Excellent gloss and color retention
- · Non-chalking, non-yellowing
- · Long pot life but quick-drying
- · Can be recoated even after long exposure periods

### **COLOR AND GLOSS LEVEL**

- · Wide color range
- Gloss

### BASIC DATA AT 20°C (68°F)

Data for mixed product	
Number of components	Two
Mass density	1.3 kg/l (10.8 lb/US gal)
Volume solids	54 ± 2%
VOC (Supplied)	Directive 1999/13/EC, SED: max. 324.0 g/kg UK PG 6/23(92) Appendix 3: max. 411.0 g/l (approx. 3.4 lb/US gal)
Recommended dry film thickness	50 - 60 μm (2.0 - 2.4 mils) depending on system
Theoretical spreading rate	10.8 m²/l for 50 µm (433 ft²/US gal for 2.0 mils)
Dry to touch	2 hours
Full cure after	7 days
Shelf life	Base: at least 36 months when stored cool and dry Hardener: at least 12 months when stored cool and dry

### Notes

- See ADDITIONAL DATA Spreading rate and film thickness
- See ADDITIONAL DATA Overcoating intervals
- See ADDITIONAL DATA Curing time

### RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURES

### **Substrate conditions**

- Compatible previous coat must be dry and free from any contamination
- Surface of previous coat should be sufficiently roughened if necessary

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### Substrate temperature

- Substrate temperature during application and curing should be above 5°C (41°F)
- Substrate temperature during application and curing should be at least 3°C (5°F) above dew point

### **INSTRUCTIONS FOR USE**

### Mixing ratio by volume: base to hardener 89.5:10.5

- Adding too much thinner results in reduced sag resistance
- The temperature of the mixed base and hardener should preferably be above 15°C (59°F), otherwise extra thinner may be required to obtain application viscosity
- · If required, thinner should be added after mixing the components

### **Induction time**

None

### Pot life

6 hours at 20°C (68°F)

Note: See ADDITIONAL DATA - Pot life

### **Air spray**

### **Recommended thinner**

THINNER 91-92

### **Volume of thinner**

5 - 10%, depending on required thickness and application conditions

### **Nozzle orifice**

1.0 - 1.5 mm (approx. 0.040 - 0.060 in)

### Nozzle pressure

0.3 - 0.4 MPa (approx. 3 - 4 bar; 44 - 58 p.s.i.)



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### Airless spray

### **Recommended thinner**

THINNER 91-92

### Volume of thinner

0 - 5%, depending on required thickness and application conditions

### **Nozzle orifice**

Approx. 0.38 - 0.46 mm (0.015 - 0.018 in)

### Nozzle pressure

15.0 MPa (approx. 150 bar; 2176 p.s.i.)

Note: In order to achieve the optimum finish and cosmetic appearance, the product may be thinned by 10% and applied using an air-assisted airless spray gun set up with a smaller tip size of 0.28 – 0.38 mm (0.011 – 0.015 in)

### **Brush/roller**

### **Recommended thinner**

**THINNER 91-92** 

### Volume of thinner

0 - 5%

### **Cleaning solvent**

THINNER 91-92

### **ADDITIONAL DATA**

Spreading rate and film thickness		
DFT	Theoretical spreading rate	
50 μm (2.0 mils)	10.8 m²/l (433 ft²/US gal)	
60 μm (2.4 mils)	9.0 m²/l (361 ft²/US gal)	

Overcoating interval for DFT up to 50 μm (2.0 mils)					
Overcoating with	Interval	5°C (41°F)	10°C (50°F)	20°C (68°F)	30°C (86°F)
itself	Minimum	24 hours	16 hours	8 hours	6 hours
	Maximum	Unlimited	Unlimited	Unlimited	Unlimited

Note: Surface should be dry and free from any contamination

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Curing time for DFT up to 50 µm (2.0 mils)			
Substrate temperature	Dry to handle	Full cure	
5°C (41°F)	22 hours	14 days	
10°C (50°F)	16 hours	12 days	
20°C (68°F)	10 hours	7 days	
30°C (86°F)	6 hours	4 days	

Note: Adequate ventilation must be maintained during application and curing (please refer to INFORMATION SHEETS 1433 and 1434)

Pot life (at application viscosity)			
Mixed product temperature	Pot life		
10°C (50°F)	10 hours		
20°C (68°F)	6 hours		
30°C (86°F)	3 hours		

### **SAFETY PRECAUTIONS**

- For paint and recommended thinners see INFORMATION SHEETS 1430, 1431 and relevant Material Safety Data Sheets
- This is a solvent-borne paint and care should be taken to avoid inhalation of spray mist or vapor, as well as contact between the wet paint and exposed skin or eyes
- · Avoid at all times inhalation of aerosol spray mist

### **WORLDWIDE AVAILABILITY**

It is always the aim of PPG Protective and Marine Coatings to supply the same product on a worldwide basis. However, slight modification of the product is sometimes necessary to comply with local or national rules/circumstances. Under these circumstances an alternative product data sheet is used.

### **REFERENCES**

CONVERSION TABLES	INFORMATION SHEET	1410
EXPLANATION TO PRODUCT DATA SHEETS	INFORMATION SHEET	1411
SAFETY INDICATIONS	INFORMATION SHEET	1430
SAFETY IN CONFINED SPACES AND HEALTH SAFETY, EXPLOSION HAZARD –	INFORMATION SHEET	1431
TOXIC HAZARD		
RELATIVE HUMIDITY – SUBSTRATE TEMPERATURE – AIR TEMPERATURE	INFORMATION SHEET	1650

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